

Title (en)

DUCTOR ROLL ASSEMBLY, INK STATION ASSEMBLY AND CAN DECORATOR EMPLOYING SAME

Title (de)

KANALROLLENANORDNUNG, TINTENSTATIONSANORDNUNG UND DOSENDEKORATOR DAMIT

Title (fr)

ENSEMBLE ROULEAU PRENEUR, ENSEMBLE POSTE D'ENCRE ET DISPOSITIF DE DÉCORATION DE CANETTE L'UTILISANT

Publication

**EP 4291409 A1 20231220 (EN)**

Application

**EP 22753303 A 20220210**

Priority

- US 202117174465 A 20210212
- US 2022015888 W 20220210

Abstract (en)

[origin: US11413859B1] A ductor roll assembly for use in an ink station assembly of a can decorator for communicating ink from a fountain roll to a distributor roll. The ductor roll assembly having a roll portion including an elongated axial member and a plurality of segments selectively disposed on and around the axial member axially adjacent each other for rotation about a rotation axis. The plurality of segments includes: a number of ink transfer segments, each ink transfer segment having an ink transfer surface disposed at a first radial distance from the rotation axis and structured to transfer ink between a corresponding axial portion of a fountain roll and a corresponding axial portion of a distributor roll; and a number of spacer segments having a second outer diameter less than the first outer diameter.

IPC 8 full level

**B41F 31/10** (2006.01)

CPC (source: EP US)

**B41F 16/00** (2013.01 - US); **B41F 17/22** (2013.01 - EP); **B41F 31/10** (2013.01 - EP US); **B41F 31/14** (2013.01 - EP US);  
**B41F 31/26** (2013.01 - EP); **B41F 17/22** (2013.01 - US); **B41P 2217/50** (2013.01 - US); **B41P 2231/10** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**US 11413859 B1 20220816**; **US 2022258463 A1 20220818**; CN 116917131 A 20231020; EP 4291409 A1 20231220;  
JP 2024506350 A 20240213; WO 2022173881 A1 20220818

DOCDB simple family (application)

**US 202117174465 A 20210212**; CN 202280014530 A 20220210; EP 22753303 A 20220210; JP 2023548620 A 20220210;  
US 2022015888 W 20220210